

[00134] Figure 72 illustrates the "Report" menu tab having been

selected, which produces three report types available to the designer from a first pull down menu. The first report is an "FC 32" report shown in Figure 73. This report contains all the components of the EPGDS sorted by component number and provides a component designation, quantity, unit and subtotal weight, and body station center of gravity. Figure 74 shows the screen 95 associated with the "All Variables" menu option in Figure 72. Figure 75 illustrates the third menu option, "Charts" having been selected, which produces a second pull down menu with six screens available to the designer. The "Dependability Cost Summary" screen 100 (Figure 76) illustrates graphs relating to various dependability factors calculated by the system 10. Figure 77 illustrates the "FC 32 Total EPGDS Weight" screen 102. This screen 102 represents a graph of the total EPGDS weight for a given type of aircraft capable of accommodating a given number of passengers. Figure 78 illustrates the "FC 32-01 AC Power System Weight" screen 104 which shows where the ASSET weight of the EPGDS falls on a two dimensional graph with relation to existing aircraft as a function of total kVA. Figure 79 represents the "FC 32-08 Power Panels + ELMS" screen 106. Screen 106 shows where the ASSET weight of the FC 32-08 Power Panels + ELMS falls on a two dimensional graph with relation to existing aircraft as a function of MTOW. Figure 80 illustrates the "FC 32-01-90 AC Electrical System Wiring" screen 108. Screen 108 shows where the ASSET weight of the FC 32-01-90 AC Electrical System Wiring falls on a two dimensional graph with relation to existing aircraft as a function of maximum flight phase loads times fuselage length. Figure 81 illustrates the "Below Wing Weight" screen 110 which is a graph 108 shows where the ASSET weight of the below wing